

PRELIMINARY AMENDMENT
U. S. Application No. 09/783,333

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A wireless packetization method in a multimedia transmitting and/or receiving system in a wireless network, comprising the steps of:

forming a predetermined layer protocol by adding a header to multimedia data which is transmitted through a radio link protocol (RLP) layer; and
adding an error detection code for detecting an error in the header information and a corruption indication flag for indicating corruption of the data on a lower multiplex-protocol data unit (MUX-PDU) layer than the RLP layer, to the header of the predetermined layer protocol.

2. (previously presented): The wireless packetization method according to claim 1, wherein the corruption indication flag is set as a result of the error when the error detection code for the header information is checked.

3. (currently amended): A wireless packetization method for a wireless link layer protocol in a multimedia transmitting apparatus in a wireless network, comprising the steps of:

forming a wireless link layer protocol by adding a header to multimedia data which is transmitted through an application layer; and
adding an error detection code for detecting an error in the header information and a corruption indication flag for indicating corruption of the data on a lower multiplex-protocol data unit (MUX-PDU) layer than the application layer, to the header of the wireless link layer protocol.

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4. (previously presented): The wireless packetization method according to claim 3, wherein the error detection code error detects between at least one radio link protocol (RLP) type information and sequence number information, which are set to the header of the wireless link layer protocol.

5. (original): The wireless packetization method according to claim 3, wherein the corruption indication flag indicates a data error received on a layer lower than the wireless link layer protocol.

6. (original): The method for transmitting a wireless packet according to claim 3, wherein the corruption indication flag indicates an error of data contained in multiplex-protocol data unit (MUX-PDU) on a multiplex (MUX) sub-layer.

7. (currently amended): A method for receiving a wireless packet in a method for decoding data by receiving a packet in which an error detection code for detecting an error in the header information and a corruption indication flag for indicating corruption of the data are added to a header of a radio link ~~layer~~ protocol (RLP) ~~layer~~, comprising the steps of:

transmitting a RLP frame, in a case where there is no error when a data field is checked by an error detection code on a multiplex (MUX) layer, to a next layer and checking an error of the header information by the error detection code in a case where there is some error; and

setting the corruption indication flag and re-sequencing data of the data field in a case when there is no error in the header information and resetting the corruption indication flag and discarding the entire frame in a case where there is some error in the header information;

wherein the corruption indication flag indicates corruption of the data on a lower multiplex-protocol data unit (MUX-PDU) layer than the RLP layer.

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8. (previously presented): The method for receiving a wireless packet according to claim 7, wherein the error detection code on the MUX layer is a code for checking the error of the data field in multiplex-protocol data unit (MUX-PDU).

9. (currently amended): A wireless packetization apparatus for a wireless link layer protocol in a multimedia transmitting system in a wireless network, comprising:
a header information-creating unit for creating header information having an error detection code for detecting an error in a header information relating to multimedia data transmitted through an application layer and a corruption indication flag for indicating corruption of the data on a lower multiplex-protocol data unit (MUX-PDU) layer than the application layer; and

a radio link protocol (RLP) frame-forming unit for forming a radio link frame by multiplexing the header information formed in the header information-creating unit and the data.

10. (currently amended): An apparatus for receiving a wireless packet in an apparatus for decoding data by receiving a packet in which an error detection code for detecting an error in a header information and a corruption indication flag for indicating corruption of data are added to a header of a radio link layer protocol (RLP) layer, comprising:

a means for transmitting a RLP frame, in a case where there is no error when a data field is checked by an error detection code on a multiplex (MUX) layer, to a next layer and for checking an error of the header information by the error detection code in a case where there is some error; and[[:]]

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a means for setting the corruption indication flag and for re-sequencing data of the data field in a case when there is no error in a header and for resetting the corruption indication flag and discarding the entire frame in a case where there is some error.;

wherein the corruption indication flag indicates corruption of the data on a lower multiplex-protocol data unit (MUX-PDU) layer than the RLP layer.